

FIG. 1

PRIOR ART



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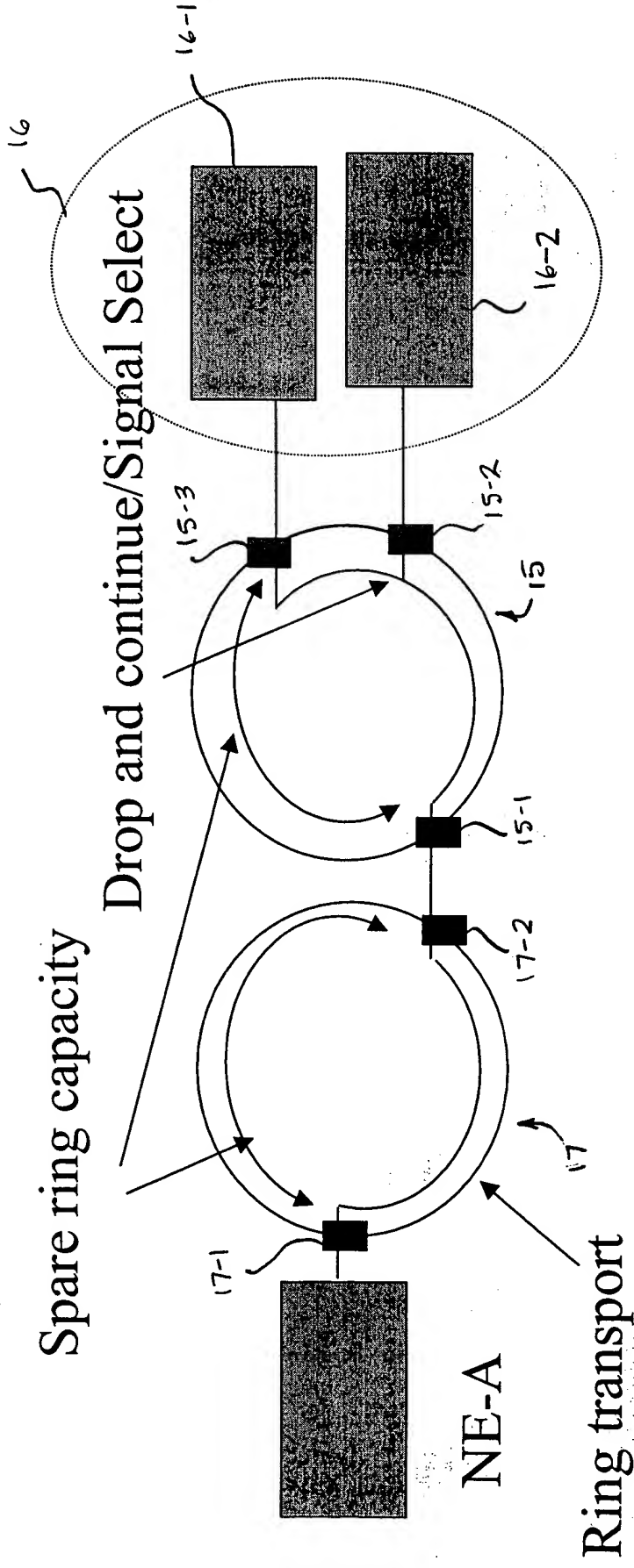
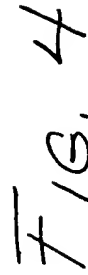
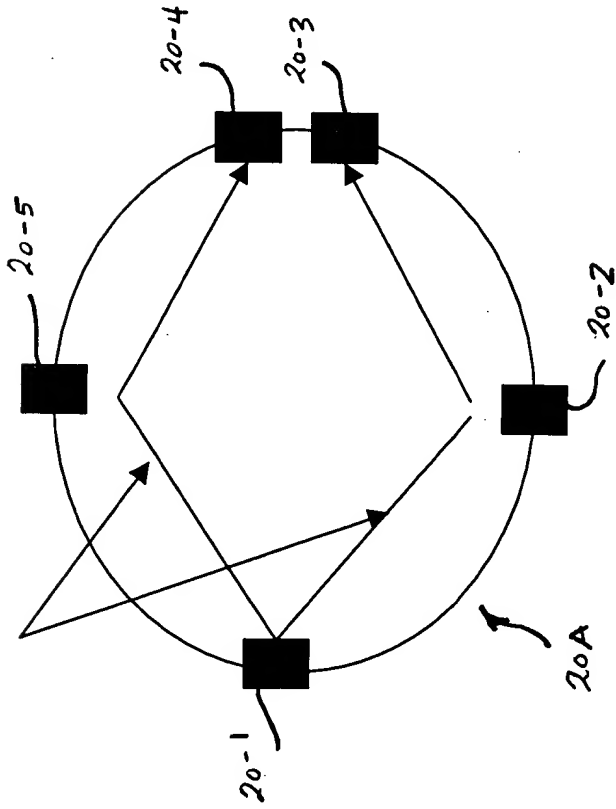


FIG. 3



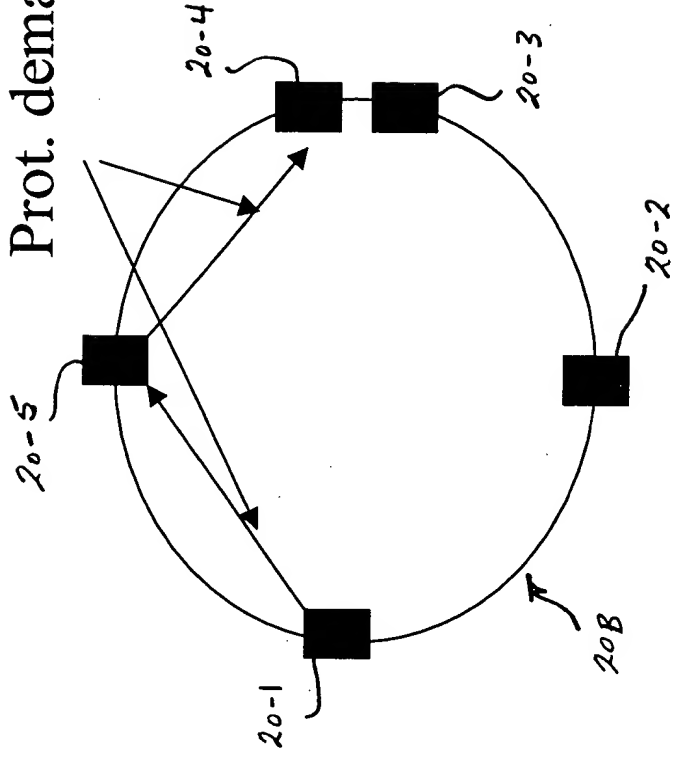
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Unprotected demands



Ring 1: 2 fiber ring

Prot. demands



Ring 2: 4 fiber ring

FIG. 5

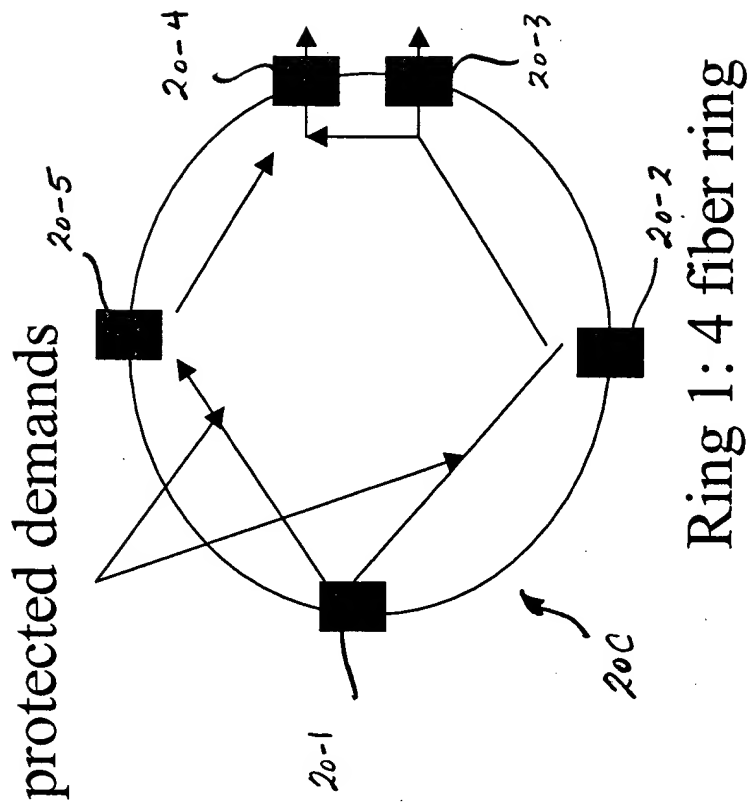


FIG. 6







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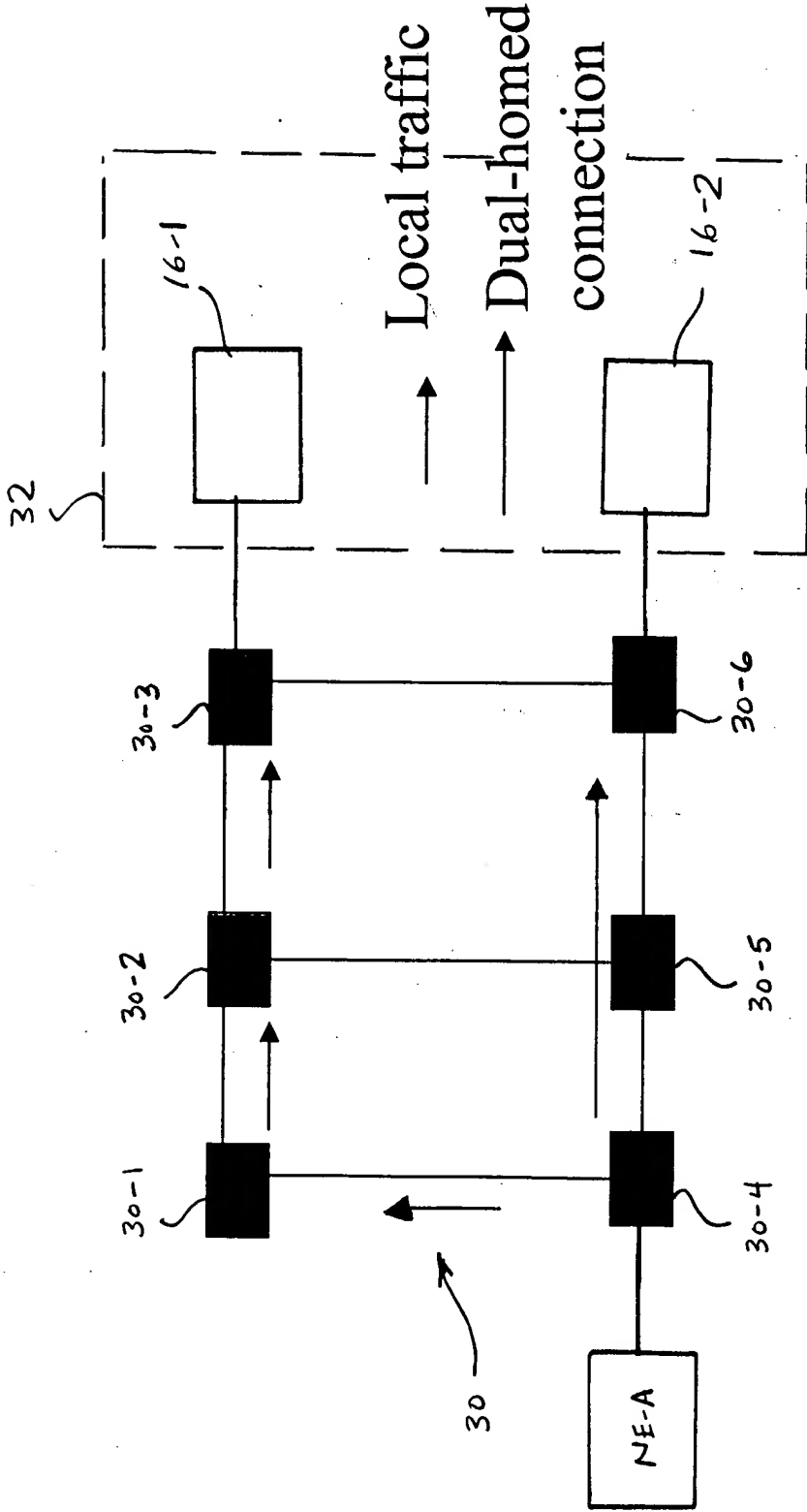
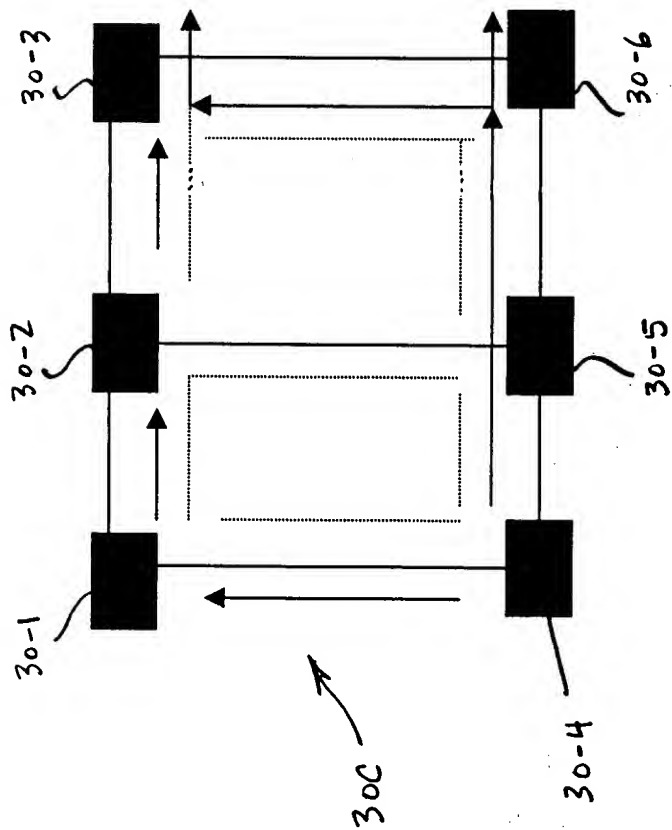


FIG. 9



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— Prot. Capacity

Total Capacity: 13 Units

Fig. 11

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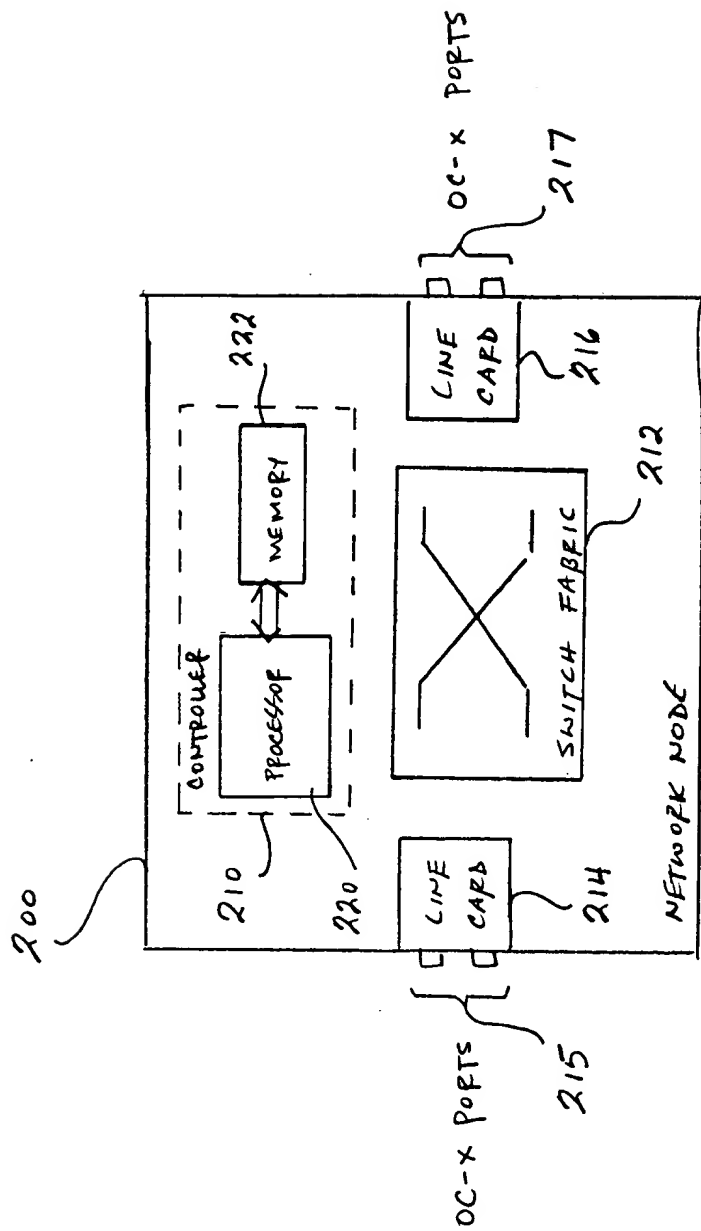


FIG. 12